

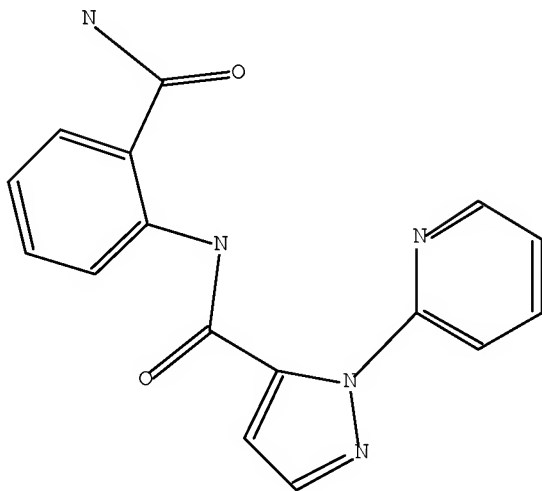
L1 STRUCTURE UPLOADED

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



E ACRINATHRIN/CN  
SET EXPAND CONTINUOUS

L2 1 S E3  
E BETACYFLUTHRIN/CN  
E ?CYFLUTHRIN/CN  
E CYFLUTHRIN/CN

L3 1 S E39  
E CYPERMETHRIN/CN

L4 1 S E51  
E DELTAMETHRIN/CN

L5 1 S E63  
E LAMBDA?CYHALOTHRIN/CN  
E LAMBDA-CYHALOTHRIN/CN

L6 1 S E87  
E TAUFLUVALINATE/CN  
E TAU-FLUVALINATE/CN

L7 1 S E111  
E GAMMA-CYHALOTHRIN/CN

L8 1 S E123

L9 50 S L1 SSS SAM

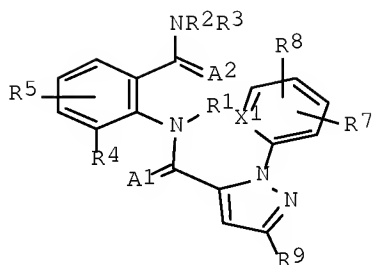
L10 151660 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 15:59:27 ON 15 JUL 2010

L11 170 S L10 AND (L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8)

L12 8 S L11 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)

L12 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN  
GI



I

AB Synergistic insecticidal combinations comprise anthranilic acid amides I [A1, A2 = O or S; X1 = N or (un)substituted NH; R1 = H, (un)substituted alkyl, alkenyl, alkynyl or cycloalkyl; R2 = H, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, etc.; R3 = H, (un)substituted alkyl, alkenyl, etc.; R2NR3 = ring; R4 = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, (halo)cycloalkyl, (un)substituted Ph, benzyl, PhO, etc; R5, R8 = H, halo, (un)substituted (halo)alkyl, etc.; R7 = H, halo (halo)alkyl, (halo)alkoxy, etc.; R9 = haloalkyl, haloalkoxy, haloalkylsulfinyl or halo] and pyrethroids.

ACCESSION NUMBER: 2005:470211 CAPLUS Full-text

DOCUMENT NUMBER: 143:2640

TITLE: Synergistic insecticidal combinations comprising

anthranilic acid amides and pyrethroids.

INVENTOR(S): Funke, Christian; Fischer, Reiner; Fischer, Ruediger;

Hungenberg, Heike; Andersch, Wolfram;

Thielert,

Wolfgang; Kraus, Anton

PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 64 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

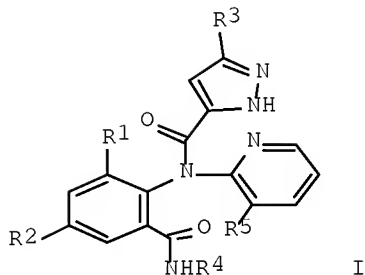
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005048713	A1	20050602	WO 2004-EP12330	
20041030 <--				
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,			

NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,  
 SL, SY,  
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
 ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
 ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ,  
 DE, DK,  
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT,  
 RO, SE,  
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,  
 MR, NE,  
 SN, TD, TG  
 DE 102004021564 A1 20050707 DE 2004-102004021564  
 20040503 <--  
 AU 2004290502 A1 20050602 AU 2004-290502  
 20041030 <--  
 EP 1686859 A1 20060809 EP 2004-791083  
 20041030 <--  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,  
 MC, PT,  
 IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK  
 CN 1882245 A 20061220 CN 2004-80033692  
 20041030 <--  
 BR 2004016560 A 20070123 BR 2004-16560  
 20041030 <--  
 JP 2007510683 T 20070426 JP 2006-538722  
 20041030 <--  
 RU 2381651 C2 20100220 RU 2006-120438  
 20041030 <--  
 IN 2006DN02516 A 20070406 IN 2006-DN2516  
 20060504 <--  
 MX 2006005262 A 20060720 MX 2006-5262  
 20060510 <--  
 ZA 2006003764 A 20070926 ZA 2006-3764  
 20060511 <--  
 KR 2006126498 A 20061207 KR 2006-711507  
 20060612 <--  
 US 20080070863 A1 20080320 US 2007-579076  
 20070928 <--  
 PRIORITY APPLN. INFO.: DE 2003-10353280 A  
 20031114 <--  
 DE 2004-102004021564A  
 20040503 WO 2004-EP12330 W  
 20041030



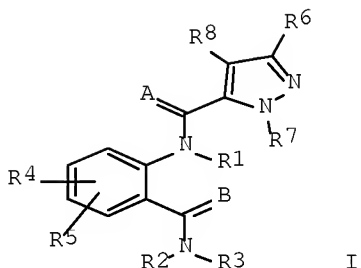
AB Title compds. [I; R1, R2 = H, alkyl, alkenyl, alkynyl, cycloalkyl, haloalkyl, haloalkenyl, haloalkynyl, halo, cyano, alkoxy, haloalkoxy, alkylthio, alkylsulfonyl, trialkylsilyl, etc.; R3 = H, alkyl, haloalkyl, halo, cyano, NO2, alkoxy, haloalkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, haloalkylthio, alkoxycarbonyl, etc.; R4 = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl; R5 = H, alkyl, alkenyl, alkynyl, cycloalkyl, haloalkyl, haloalkenyl, haloalkynyl, halocycloalkyl, halo, cyano, CO2H, CONH2, NO2, OH, alkoxy, haloalkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, alkylcarbonyl, alkoxycarbonyl, trialkylsilyl, etc.], were prepared. Thus, 1-(3-chloro-2-pyridinyl)-3-trifluoromethyl-1H-pyrazole-5-carboxylic acid (preparation given) was stirred with (COCl)<sub>2</sub> and cat. DMF in CH<sub>2</sub>Cl<sub>2</sub> to give crude acid chloride, which was refluxed 3 h with 8-methyl-2H-3,1-benzoxazine-2,4(1H)-dione (preparation given) and pyridine in MeCN to give 2-[1-(3-chloro-2-pyridinyl)-3-trifluoromethyl-1H-pyrazol-5-yl]-8-methyl-4H-3,1-benzoxazin-4-one. The latter was refluxed 1.5 h with Me<sub>2</sub>CHNH<sub>2</sub> to give 1-(3-chloro-2-pyridinyl)-N-[2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-3-trifluoromethyl-1H-pyrazole-5-carboxamide. This was stirred overnight with DBU in MeCN to give N-(3-chloro-2-pyridinyl)-N-[2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-5-trifluoromethyl-1H-pyrazole-3-carboxamide. The latter at 250 ppm on radishes preinfested with *Plutella xylostella* gave ≤10% feeding damage.

ACCESSION NUMBER: 2003:261833 CAPLUS [Full-text](#)  
DOCUMENT NUMBER: 138:287669  
TITLE: Preparation of pyrazolylcarbonyl pyridinyl anthranilamides as arthropodicides  
INVENTOR(S): Zimmerman, William Thomas  
PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA  
SOURCE: PCT Int. Appl., 46 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003027099	A1	20030403	WO 2002-US28274	

20020906 <--  
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,

CH, CN,  
 GE, GH,  
 LK, LR,  
 OM, PH,  
 TT, TZ,  
 RW: UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 AZ, BY, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
 EE, ES, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
 BJ, CF, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF,  
 CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 AU 2002332864 A1 20030407 AU 2002-332864  
 20020906 <--  
 AU 2002332864 B2 20070705  
 EP 1438305 A1 20040721 EP 2002-799567  
 20020906 <--  
 EP 1438305 B1 20060823  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,  
 MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK  
 BR 2002012695 A 20041019 BR 2002-12695  
 20020906 <--  
 CN 1556806 A 20041222 CN 2002-818570  
 20020906 <--  
 CN 1279038 C 20061011  
 JP 2005505576 T 20050224 JP 2003-530687  
 20020906 <--  
 ES 2271371 T3 20070416 ES 2002-799567  
 20020906 <--  
 US 20040186141 A1 20040923 US 2004-485093  
 20040126 <--  
 US 7179824 B2 20070220  
 IN 2004MN00089 A 20050429 IN 2004-MN89  
 20040205 <--  
 MX 2004002647 A 20040607 MX 2004-2647  
 20040319 <--  
 PRIORITY APPLN. INFO.: US 2001-324011P P  
 20010921 <--  
 WO 2002-US28274 W  
 20020906 <--



AB An invertebrate pest control composition for coating a propagule comprises (1) a biol. effective amount of an anthranilamide compds. I (Markush included), an N-oxide thereof or an agriculturally suitable salt thereof, and (2) a film former or adhesive agent. Arthropodicidal composition containing anthranilamide compds. I may further comprise addnl. biol. active compds. selected from arthropodicides of the group consisting of pyrethroids, carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones,  $\gamma$ -aminobutyric acid (GABA) antagonists, insecticidal ureas, and juvenile hormone mimics, and fungicides. The propagule is a seed of cotton, maize, soybean, rice, etc., or a rhizome, tuber, bulb or corm, or viable division thereof, of potato, sweet potato, garden onion, tulip, daffodil, crocus hyacinth, etc., or is a stem or leaf cutting.

ACCESSION NUMBER: 2003:242097 CAPLUS Full-text

DOCUMENT NUMBER: 138:267201

TITLE: Pesticidal compositions for coating plant propagation

material containing anthranilamides  
INVENTOR(S): Berger, Richard Alan; Flexner, John Lindsey

PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA

SOURCE: PCT Int. Appl., 147 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

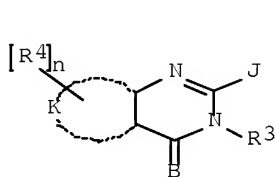
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003024222	A1	20030327	WO 2002-US30302	
20020910 <--				
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,			

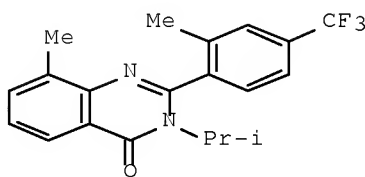
	UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM,		
AZ, BY,			
	KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,		
EE, ES,			
	FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF,		
BJ, CF,			
	CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
TW 283164	B	20070701	TW 2002-91118199
20020813 <--			
CA 2458163	A1	20030327	CA 2002-2458163
20020910 <--			
AU 2002341819	B9	20030401	AU 2002-341819
20020910 <--			
AU 2002341819	A1	20030401	
AU 2002341819	B2	20070719	
EP 1427285	A1	20040616	EP 2002-775972
20020910 <--			
EP 1427285	B1	20070822	
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,		
MC, PT,			
	IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK		
BR 2002012993	A	20040817	BR 2002-12993
20020910 <--			
JP 2005502716	T	20050127	JP 2003-528126
20020910 <--			
JP 3770495	B2	20060426	
HU 2004001893	A2	20050128	HU 2004-1893
20020910 <--			
HU 2004001893	A3	20051128	
NZ 532269	A	20051028	NZ 2002-532269
20020910 <--			
CN 1713819	A	20051228	CN 2002-818578
20020910 <--			
CN 100539840	C	20090916	
RU 2292138	C2	20070127	RU 2004-111986
20020910 <--			
AT 370656	T	20070915	AT 2002-775972
20020910 <--			
PT 1427285	E	20071127	PT 2002-775972
20020910 <--			
ES 2291500	T3	20080301	ES 2002-775972
20020910 <--			
IL 159947	A	20091224	IL 2002-159947
20020910 <--			
ZA 2004000413	A	20050120	ZA 2004-413
20040120 <--			
US 20040209923	A1	20041021	US 2004-485125
20040126 <--			
US 7696232	B2	20100413	
IN 2004MN00090	A	20070706	IN 2004-MN90
20040205 <--			
IN 218482	A1	20080509	
MX 2004002648	A	20040607	MX 2004-2648
20040319 <--			
KR 783260	B1	20071206	KR 2004-704134
20040320 <--			

IN 2005MN00443	A	20050930	IN 2005-MN443
20050517 <--			
IN 218604	A1	20080509	
US 20100152194	A1	20100617	US 2010-711285
20100224 <--			
PRIORITY APPLN. INFO.:			US 2001-323941P P
20010921 <--			
			WO 2002-US30302 W
20020910 <--			
			US 2004-485125 A3
20040126			

L12 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN  
GI



I



II

AB The title compds. [I; B = O, S; J = (un)substituted Ph, naphthyl, 5-6 membered heteroarom. ring, etc.; K, together with the two contiguous linking carbon atoms = a fused Ph, or fused pyridinyl, each optionally substituted with 1-4 R4; R3 = G, alkyl, cycloalkyl, etc.; G = (un)substituted Ph, 5-6 membered heteroarom. ring, etc.; R4 = H, alkyl, haloalkyl, etc.; n = 1-4], useful for controlling invertebrate pests, were prepared E.g. a multi-step synthesis of II which provided very good level of plant protection (20% or less feeding damage) in in test on diamondback moth (*Plutella xylostella*)/radish plant, was given. This invention also pertains to certain compds. I and compns. for controlling invertebrate pests comprising a biol. effective amount of a compound I and at least one addnl. component selected from the group consisting of surfactants, solid diluents and liquid diluents. [This abstract record is one of 3 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

ACCESSION NUMBER:	2002:465981 CAPLUS <u>Full-text</u>
DOCUMENT NUMBER:	137:47212
TITLE:	Preparation of quinazolinones and
pyridopyrimidinones	
	for controlling invertebrate pests
INVENTOR(S):	Annis, Gary David; Myers, Brian James; Selby,
Thomas	
	Paul; Stevenson, Thomas Martin; Zimmerman,
William	
	Thomas



PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA  
 SOURCE: PCT Int. Appl., 180 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002048115	A2	20020620	WO 2001-US46629	
20011203 <--				
WO 2002048115	A3	20020906		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
WO 2002048115	A2	20020620	WO 2001-XA46629	
20011203 <--				
WO 2002048115	A3	20020906		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
WO 2002048115	A2	20020620	WO 2001-XB46629	
20011203 <--				
WO 2002048115	A3	20020906		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,				

GE, GH,  
 LK, LR,  
 PH, PL,  
 UA, UG,  
 RW: US, UZ, VN, YU, ZA, ZW  
 BE, CH, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT,  
 SE, TR, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,  
 TD, TG BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,  
 AU 2002027243 A 20020624 AU 2002-27243  
 20011203 <--  
 EP 1341772 A2 20030910 EP 2001-996125  
 20011203 <--  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,  
 MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 JP 2004515543 T 20040527 JP 2002-549646  
 20011203 <--  
 US 20040110777 A1 20040610 US 2003-433368  
 20031014 <--  
 PRIORITY APPLN. INFO.: US 2000-254614P P  
 20001211 <--  
 WO 2001-US46629  
 20011203 <--

E FUNKE CHRIS?/AU  
 L13 88 S E133-137  
 L14 16 S L13 AND L10  
 L15 6 S L14 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)  
 L16 5 S L15 NOT L12  
 E FISCHER REINER?/AU  
 L17 430 S E146-151  
 L18 14 S L17 AND L10  
 L19 6 S L18 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)  
 L20 5 S L19 NOT L12  
 L21 0 S L20 NOT L16  
 E FISCHER RUDIGER?/AU  
 L22 18 S E157-158  
 L23 0 S L22 AND L10  
 E HUNGENBERG HEIKE?/AU  
 L24 133 S E169-170  
 L25 35 S L24 AND L10  
 L26 6 S L25 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)  
 L27 0 S L26 NOT (L12 OR L16)  
 E ANDERSCH WOLFRAM?/AU  
 L28 121 S E181-182  
 L29 20 S L28 AND L10  
 L30 6 S L29 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)  
 L31 0 S L30 NOT (L12 OR L16)  
 E KRAUS ANTON?/AU  
 L32 31 S E193-194

L33	9 S L32 AND L10
L34	6 S L33 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)
L35	0 S L34 NOT (L12 OR L16)